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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/074,705	02/13/2002	Eric M. Dowling	SEARCHP.011C1DV2	8133

			EXAMINER
27299	7590	02/06/2006	HUISMAN, DAVID J

GAZDZINSKI & ASSOCIATES
11440 WEST BERNARDO COURT, SUITE 375
SAN DIEGO, CA 92127

ART UNIT	PAPER NUMBER
2183	

DATE MAILED: 02/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/074,705	DOWLING, ERIC M.
	Examiner	Art Unit
	David J. Huisman	2183

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _23 November 2005_.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _2,42 and 44-135_ is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☒ Claim(s) _116-120,124-126,130,132 and 135_ is/are allowed.

6)☒ Claim(s) _2,42,44-115,121-123,127-129,131,133 and 134_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _16 May 2005_ is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____.

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   Claims 2, 42, and 44-135 have been examined.

Papers Submitted

2.   It is hereby acknowledged that the following papers have been received and placed of

record in the file: RCE and Amendment as received on 11/23/2005.

Claim Objections

3.   Claim 129 is objected to because of the following informalities: On page 18, lines 7-9

are worded in an unclear fashion (with the multiple uses of the word "prior"), thereby making it

difficult to read and understand. Applicant should at least insert --the data-- or --said data--

before "being passed" and before "being processed". However, if the data being

passed/processed is different from the data mentioned in the first paragraph of the claim,

applicant should take appropriate action to prevent a 112 (lack of antecedent basis) problem (i.e,

it would not be clear if "said data" referred to the data mentioned in the first paragraph or second

paragraph). Appropriate correction is required.

4.   Claim 130 is objected to because of the following informalities: On page 18, lines 27-29

are worded in an unclear fashion (with the multiple uses of the word "prior"), thereby making it

difficult to read and understand. Applicant should at least insert --the data-- or --said data--

before "being passed" and before "being processed". However, if the data being

passed/processed is different from the data mentioned in the first paragraph of the claim,

applicant should take appropriate action to prevent a 112 (lack of antecedent basis) problem (i.e,

it would not be clear if "said data" referred to the data mentioned in the first paragraph or second paragraph). Appropriate correction is required.

5.   Claim 131 is objected to because of the following informalities: On page 19, lines 15-17 are worded in an unclear fashion (with the multiple uses of the word "prior"), thereby making it difficult to read and understand. Applicant should at least insert --the data-- or --said data-- before "being passed" and before "being processed". However, if the data being passed/processed is different from the data mentioned in the first paragraph of the claim, applicant should take appropriate action to prevent a 112 (lack of antecedent basis) problem (i.e, it would not be clear if "said data" referred to the data mentioned in the first paragraph or second paragraph). Appropriate correction is required.

6.   Claim 132 is objected to because of the following informalities: On page 20, lines 4-6 are worded in an unclear fashion (with the multiple uses of the word "prior"), thereby making it difficult to read and understand. Applicant should at least insert --the data-- or --said data-- before "being passed" and before "being processed". However, if the data being passed/processed is different from the data mentioned in the first paragraph of the claim, applicant should take appropriate action to prevent a 112 (lack of antecedent basis) problem (i.e, it would not be clear if "said data" referred to the data mentioned in the first paragraph or second paragraph). Appropriate correction is required.

7.   Regarding claim 133, it is suggested that applicant insert either --the data-- or --said data-- before "being processed" in line 24 on page 20 to make it clear that the data is being processed.. Appropriate correction is required. However, it should be realized that if the data being processed is different from the data mentioned in the first paragraph of the claim, applicant

should take appropriate action to prevent a 112 (lack of antecedent basis) problem (i.e, it would not be clear if "said data" referred to the data mentioned in the first paragraph or second paragraph). Appropriate correction is required.

8.   Claim 134 is objected to because of the following informalities: On page 21, lines 13-15 are worded in an unclear fashion (with the multiple uses of the word "prior"), thereby making it difficult to read and understand. Applicant should at least insert --the data-- or --said data-- before "being passed" and before "being processed". However, if the data being passed/processed is different from the data mentioned in the first paragraph of the claim, applicant should take appropriate action to prevent a 112 (lack of antecedent basis) problem (i.e, it would not be clear if "said data" referred to the data mentioned in the first paragraph or second paragraph). Appropriate correction is required.

9.   Claim 135 is objected to because of the following informalities: On page 22, lines 1-3 are worded in an unclear fashion (with the multiple uses of the word "prior"), thereby making it difficult to read and understand. Applicant should at least insert --the data-- or --said data-- before "being passed" and before "being processed". However, if the data being passed/processed is different from the data mentioned in the first paragraph of the claim, applicant should take appropriate action to prevent a 112 (lack of antecedent basis) problem (i.e, it would not be clear if "said data" referred to the data mentioned in the first paragraph or second paragraph). Appropriate correction is required.

Claim Rejections - 35 USC § 112

10.   The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

11.　　Claims 2, 42, 44-45, 47-50, 55-58, 60-63, 65, 67, 74-75, 79, 81, 85-86, 92, 98-99, 105, 107, 111-112, 121-123, 127-129, 131, 133, and 134 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

12.　　Claim 2 recites the limitation "said condition" twice in the last paragraph. While there is a conditional branch instruction mentioned, there is insufficient antecedent basis for an actual condition in the claim.

13.　　Claim 42 recites the limitation "the first program" in line 2. There is insufficient antecedent basis for this limitation in the claim.

14.　　Claim 44 recites the limitation "the second portion" in line 1. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the second portion of the architecture or the second portion of the program.

15.　　Claim 45 recites the limitation "the second portion" in line 3. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the second portion of the architecture or the second portion of the program.

16.　　Claim 47 recites the limitation "the first portion" in lines 2-3. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the first portion of the architecture or the first portion of the program.

17.　　Claim 48 recites the limitation "the first portion" in line 4. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the first portion of the architecture or the first portion of the program.

18.   Claim 49 recites the limitation "the register space" in line 2. There is insufficient antecedent basis for this limitation in the claim. Claim 49 also recites the limitation "the first portion" in line 3. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the first portion of the architecture or the first portion of the program.

19.   Claim 50 recites the limitation "the inactive state" in line 2. There is insufficient antecedent basis for this limitation in the claim. Claim 50 also recites the limitation "the second portion" in line 2. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the second portion of the architecture or the second portion of the program.

20.   Claim 55 recites the limitation "said condition" twice in the last paragraph. While there is a conditional branch instruction mentioned, there is insufficient antecedent basis for an actual condition in the claim.

21.   Claim 56 recites the limitation "the first program" in line 2. There is insufficient antecedent basis for this limitation in the claim.

22.   Claim 57 recites the limitation "the second portion" in line 1. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the second portion of the architecture or the second portion of the program.

23.   Claim 58 recites the limitation "the second portion" in line 3. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the second portion of the architecture or the second portion of the program.

24.   Claim 60 recites the limitation "the first portion" in lines 2-3. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the first portion of the architecture or the first portion of the program.

25.   Claim 61 recites the limitation "the first portion" in line 4. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the first portion of the architecture or the first portion of the program.

26.   Claim 62 recites the limitation "the register space" in line 2. There is insufficient antecedent basis for this limitation in the claim. Claim 62 also recites the limitation "the first portion" in line 3. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the first portion of the architecture or the first portion of the program.

27.   Claim 63 recites the limitation "the inactive state" in lines 1-2. There is insufficient antecedent basis for this limitation in the claim. Claim 63 also recites the limitation "the second portion" in line 2. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the second portion of the architecture or the second portion of the program.

28.   Claim 65 recites the limitation "the first and second portions" in line 1. There is insufficient antecedent basis for this limitation in the claim because it is not clear whether applicant is referring to the first and second portions of the architecture or the second portion of the program.

29.   Claim 67 recites the limitation "said condition" twice in the last paragraph. While there

is a conditional instruction mentioned, there is insufficient antecedent basis for an actual

condition in the claim.

30.   Claim 74 recites the limitation "the register space" in line 2. There is insufficient

antecedent basis for this limitation in the claim.

31.   Claim 75 recites the limitation "the inactive state" in lines 1-2. There is insufficient

antecedent basis for this limitation in the claim.

32.   Claim 79 recites the limitation "said condition" twice in the last paragraph. While there

is a conditional instruction mentioned, there is insufficient antecedent basis for an actual

condition in the claim.

33.   Claim 81 recites the limitation "the second portion" in line 3. There is insufficient

antecedent basis for this limitation in the claim because it is not clear whether applicant is

referring to the second portion of the architecture or the second portion of the program.

34.   Claim 85 recites the limitation "the register space" in line 2. There is insufficient

antecedent basis for this limitation in the claim.

35.   Claim 86 recites the limitation "the inactive state" in lines 1-2. There is insufficient

antecedent basis for this limitation in the claim. Claim 86 also recites the limitation "the second

portion" in line 2. There is insufficient antecedent basis for this limitation in the claim because it

is not clear whether applicant is referring to the second portion of the architecture or the second

portion of the program.

36.   Claim 92 recites the limitation "said condition" twice in the last paragraph. While there

is a conditional instruction mentioned, there is insufficient antecedent basis for an actual

condition in the claim.

37.   Claim 98 recites the limitation "the register space" in line 2. There is insufficient

antecedent basis for this limitation in the claim.

38.   Claim 99 recites the limitation "the inactive state" in lines 1-2. There is insufficient

antecedent basis for this limitation in the claim.

39.   Claim 105 recites the limitation "said set of architectural architectures" on page 13, line

4. There is insufficient antecedent basis for this limitation in the claim because only a "set of

registers" was previously mentioned. Claim 105 recites the limitation "said condition" twice in

the last paragraph. While there is a conditional instruction mentioned, there is insufficient

antecedent basis for an actual condition in the claim.

40.   Claim 107 recites the limitation "said set of architectural architectures" in line 1. There is

insufficient antecedent basis for this limitation in the claim because only a "set of registers" was

previously mentioned.

41. .   Claim 111 recites the limitation "the register space" in line 2. There is insufficient

antecedent basis for this limitation in the claim.

42.   Claim 112 recites the limitation "the inactive state" in lines 1-2. There is insufficient

antecedent basis for this limitation in the claim.

43.   Claim 121 is unclear because the phrase "to execute a RAM row selected by a row-

address register" is not understood by the examiner. That is, it is not clear how a RAM row is

executed. Appropriate correction is required.

44.   Claim 122 recites the limitation "the register space" in line 2. There is insufficient antecedent basis for this limitation in the claim.

45.   Claim 123 recites the limitation "the inactive state" in line 2. There is insufficient antecedent basis for this limitation in the claim.

46.   Claim 127 recites the limitation "said condition" twice in the last paragraph. While there is a conditional branch instruction mentioned, there is insufficient antecedent basis for an actual condition in the claim.

47.   Claim 128 recites the limitation "said condition" twice in the last paragraph. While there is a conditional instruction mentioned, there is insufficient antecedent basis for an actual condition in the claim.

48.   Claim 129 recites the limitation "said condition" twice in the last paragraph. While there is a conditional instruction mentioned, there is insufficient antecedent basis for an actual condition in the claim.

49.   Claim 131 recites the limitation "said condition" twice in the last paragraph. While there is a conditional instruction mentioned, there is insufficient antecedent basis for an actual condition in the claim.

50.   Claim 133 recites the limitation "said condition" twice in the last paragraph. While there is a conditional instruction mentioned, there is insufficient antecedent basis for an actual condition in the claim.

51.   Claim 134 recites the limitation "said condition" twice in the last paragraph. While there is a conditional instruction mentioned, there is insufficient antecedent basis for an actual condition in the claim.

Allowable Subject Matter

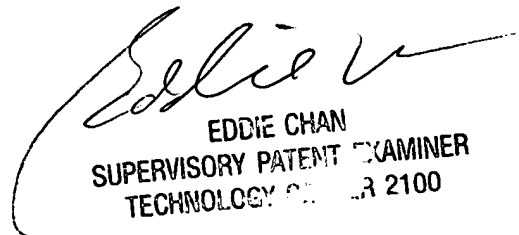52.   Claims 116-120, 124-126, 130, 132, and 135 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to David J. Huisman whose telephone number is (571) 272-4168.

The examiner can normally be reached on Monday-Friday (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Eddie Chan can be reached on (571) 272-4162. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DJH
David J. Huisman
January 25, 2006

EDDIE CHAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100